



Industrial Refrigeration Service, Inc.

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E-mail: info@irsmd.com

July 13, 2016

*Guardian Environmental Services, Inc.
70 Albe Drive
Newark, DE 19702*

Attn: Mr. Pete Johnson

RE: Vineland Ice and Cold Storage Phase one Pump Out

Dear Mr. Johnson:

Industrial Refrigeration Service, Inc. is pleased to offer for your consideration the following scope for the preparation and pump down phase of the ammonia removal.

Phase I – Preparation:

- 1) Install a 1" pipe from the refrigerant charging line to the outside of the building. This header will be used at a later time to transfer refrigerant to the Tanner Industries tanker for recovery.*
- 2) Compressors controls will be tested and calibrated. The high pressure safety on all the compressors will be tested and proven to shut down the compressors.*
- 3) The operation of the High Level Safety tested to confirm that it will shut off the compressors in the event of a high level.*
- 4) The compressors will be set up and tested for operation in auto mode.*
- 5) Open or manually open control valves to cross over the suction and make them common.*
- 6) Finalize the pump out plan.*

Phase 2 – Pump Down:

- 1) Set compressors to operate in "auto" mode.
- 2) Close the King valve at the receiver.
- 3) Monitor level and operation as the plant starts the pump down phase.
- 4) As the refrigerant charge accumulates in the high pressure receiver and approaches 80%, it may be necessary to shut down the recirculation pump and maintain a level in the pump package.
- 5) Monitor levels and system operation in preparation of the transfer phase.

I would like to thank you for allowing Industrial Refrigeration Service, Inc. the opportunity of working with you on this project. I do hope that the information as presented here meets with your approval. However, if you have any questions, please feel free to contact me.

Sincerely,

INDUSTRIAL REFRIGERATION
SERVICE, INC.



Tim Herbert
Operations Manager

TH/dd